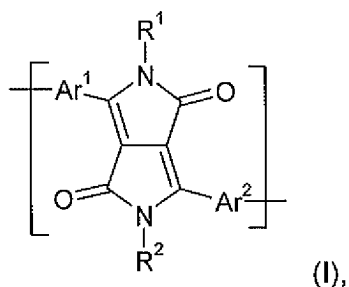


In the Claims:

1. (cancelled)

2. (currently amended) A polymer comprising a repeating unit of the formula



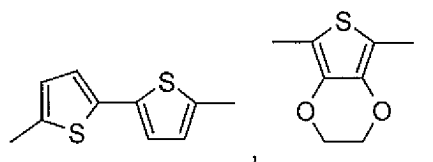
wherein

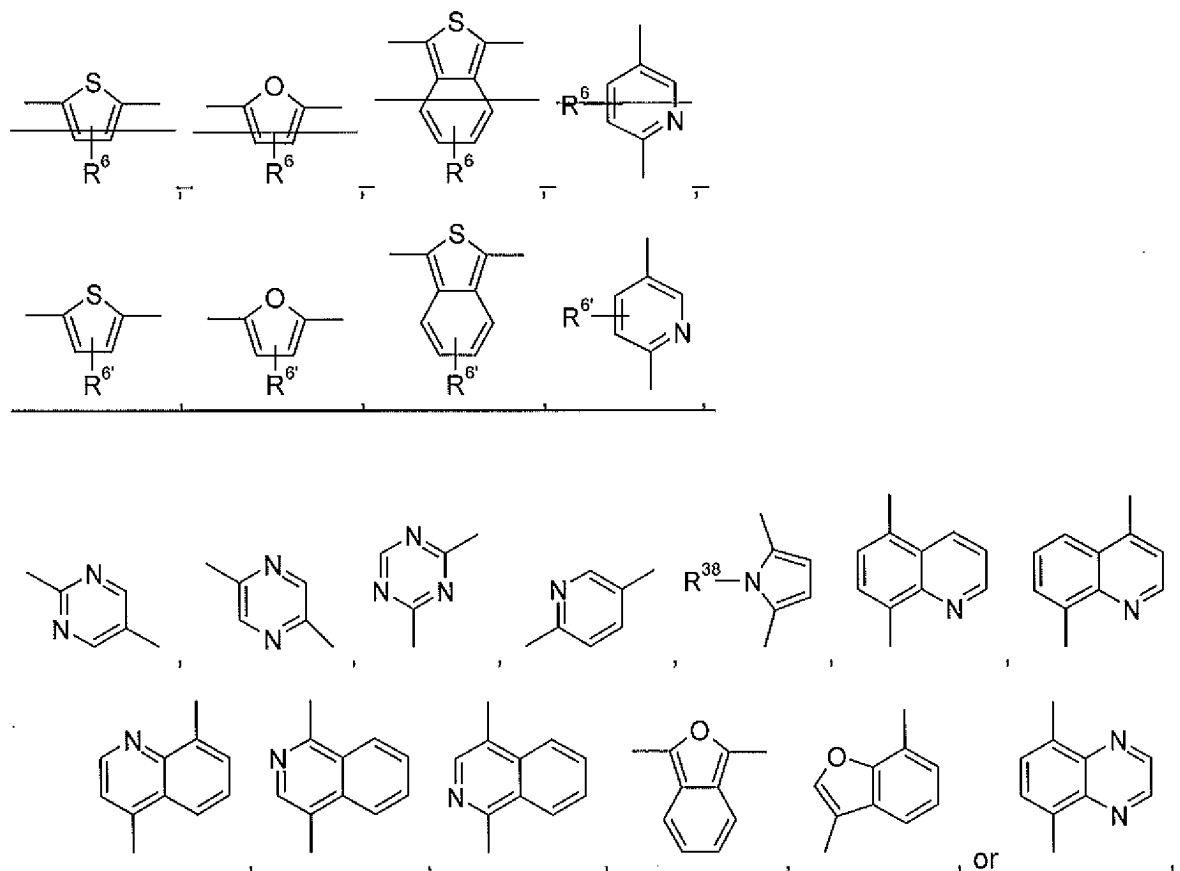
$R^1$  and  $R^2$  are independently of each other a  $C_1$ - $C_{25}$ alkyl group which can optionally be interrupted by one or more oxygen atoms, an allyl group which can optionally be substituted one to three times with  $C_1$ - $C_4$ alkyl, a cycloalkyl group which can be optionally substituted one to three times with  $C_1$ - $C_8$ alkyl or  $C_1$ - $C_8$ alkoxy, a cycloalkyl group which can optionally be condensed one or two times by phenyl which phenyl can optionally be substituted one to three times with  $C_1$ - $C_4$ -alkyl, halogen, nitro or cyano, an alkenyl group, a cycloalkenyl group, an alkynyl group; a  $C_1$ - $C_{25}$ alkyl group, an alkenyl group or an alkynyl group substituted partially or wholly by halogen, an aldehyde group, an ester group, a carbamoyl group, a ketone group, a silyl group, a siloxanyl group,  $Ar^3$ - or a group  $-CR^3R^4-(CH_2)_g-Ar^3$  aryl, heteroaryl, a group  $-CR^3R^4-(CH_2)_g-$  aryl or a group  $-CR^3R^4-(CH_2)_g-$  heteroaryl,

wherein  $R^3$  and  $R^4$  independently from each other stand for hydrogen, fluorine, cyano or  $C_1$ - $C_4$ alkyl which can be substituted by fluorine, chlorine or bromine, or phenyl which can be substituted one to three times with  $C_1$ - $C_4$ alkyl,

$Ar^3$ -stands for aryl or heteroaryl and g stands for 0, 1, 2, 3 or 4,

$Ar^1$  and  $Ar^2$  are independently of each other



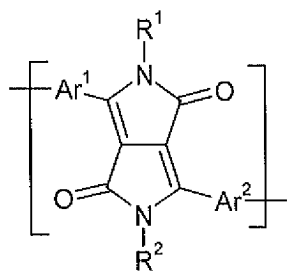


wherein  $[R^6]$  is hydrogen,  $C_1$ - $C_{18}$ alkyl, or  $C_1$ - $C_{18}$ alkoxy and

$R^{38}$  stands for hydrogen,  $C_6$ - $C_{10}$ aryl,  $C_7$ - $C_{12}$ alkylaryl,  $C_7$ - $C_{12}$ aralkyl, or  $C_1$ - $C_8$ -alkyl.

3. (cancelled)

4. (currently amended) A polymer comprising a repeating unit of formula

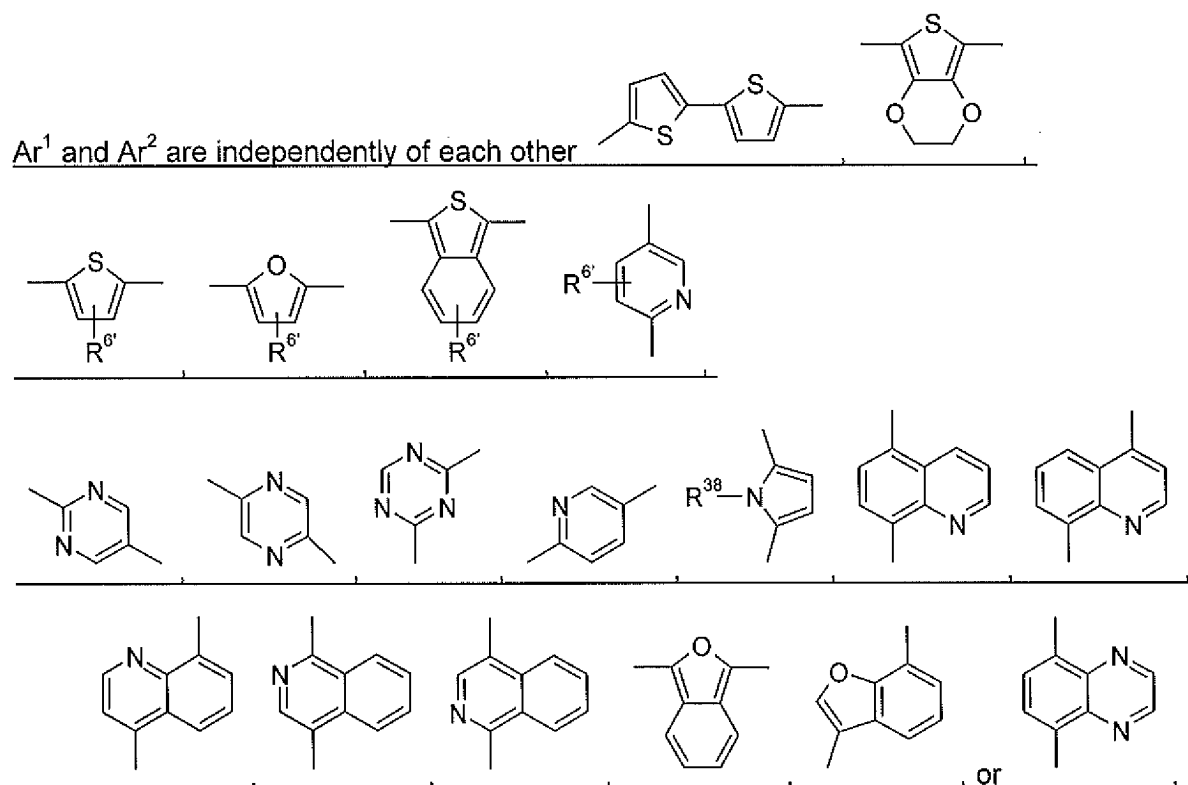


(I), and one or more repeating unit(s)  $Ar^3$ , one or more repeating units  $-T-$ ,

or one or more repeating unit(s)  $Ar^3$  and one or more repeating units  $-T-$ ,

wherein

$R^1$  and  $R^2$  are independently of each other a  $C_1$ - $C_{25}$ alkyl group which can optionally be interrupted by one or more oxygen atoms, an allyl group which can optionally be substituted one to three times with  $C_1$ - $C_4$ alkyl, a cycloalkyl group which can be optionally substituted one to three times with  $C_1$ - $C_8$ alkyl or  $C_1$ - $C_8$ alkoxy, a cycloalkyl group which can optionally be condensed one or two times by phenyl which phenyl can optionally be substituted one to three times with  $C_1$ - $C_4$ alkyl, halogen, nitro or cyano, an alkenyl group, a cycloalkenyl group, an alkynyl group; a  $C_1$ - $C_{25}$ alkyl group, an alkenyl group or an alkynyl group substituted partially or wholly by halogen, an aldehyde group, an ester group, a carbamoyl group, a ketone group, a silyl group, a siloxanyl group, aryl, heteroaryl, a group  $-CR^3R^4-(CH_2)_g-$  aryl or a group  $-CR^3R^4-(CH_2)_g-$  heteroaryl, wherein  $R^3$  and  $R^4$  independently from each other stand for hydrogen, fluorine, cyano or  $C_1$ - $C_4$ alkyl which can be substituted by fluorine, chlorine or bromine, or phenyl which can be substituted one to three times with  $C_1$ - $C_4$ alkyl,  $g$  stands for 0, 1, 2, 3 or 4,

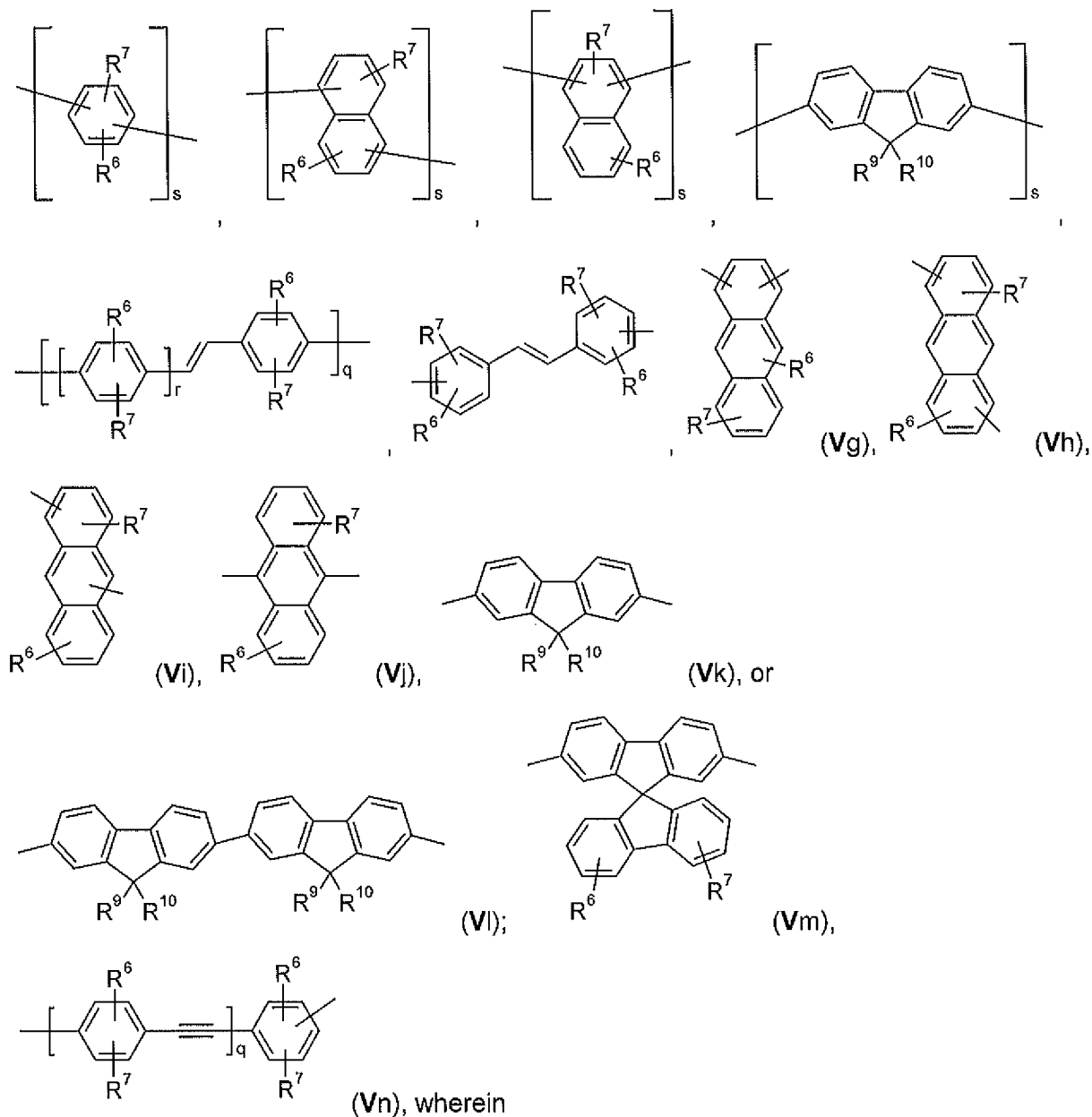


wherein  $R^6$  is hydrogen,  $C_1$ - $C_{18}$ alkyl, or  $C_1$ - $C_{18}$ alkoxy and

$R^{38}$  stands for hydrogen,  $C_6$ - $C_{10}$ aryl,  $C_7$ - $C_{12}$ alkylaryl,  $C_7$ - $C_{12}$ aralkyl, or  $C_1$ - $C_8$ -alkyl

The polymer according to claim 2, further comprising one or more repeating unit(s)  $\text{Ar}^3$  and/or repeating units  $\text{T}$

which repeating unit(s)  $\text{Ar}^3$  is selected from the group consisting of



$r$  is an integer from 1 to 10,

$q$  is an integer from 1 to 10,

$s$  is an integer from 1 to 10,

$\text{R}^6$  and  $\text{R}^7$  are independently of each other H, halogen,  $-\text{CN}$ ,  $\text{C}_1\text{-C}_{18}$ alkyl,  $\text{C}_1\text{-C}_{18}$ alkyl which is substituted by E and/or interrupted by D,  $\text{C}_6\text{-C}_{24}$ aryl,  $\text{C}_6\text{-C}_{24}$ aryl which is substituted by G,  $\text{C}_2\text{-}$

C<sub>20</sub>heteroaryl, C<sub>2</sub>-C<sub>20</sub>heteroaryl which is substituted by G, C<sub>2</sub>-C<sub>18</sub>alkenyl, C<sub>2</sub>-C<sub>18</sub>alkynyl, C<sub>1</sub>-C<sub>18</sub>alkoxy, C<sub>1</sub>-C<sub>18</sub>alkoxy which is substituted by E and/or interrupted by D, C<sub>7</sub>-C<sub>25</sub>aralkyl, -C(=O)-R<sup>17</sup>, -C(=O)OR<sup>17</sup>, or -C(=O)NR<sup>17</sup>R<sup>16</sup>,

R<sup>9</sup> and R<sup>10</sup> are independently of each other H, C<sub>1</sub>-C<sub>18</sub>alkyl, C<sub>1</sub>-C<sub>18</sub>alkyl which is substituted by E and/or interrupted by D, C<sub>6</sub>-C<sub>24</sub>aryl, C<sub>6</sub>-C<sub>24</sub>aryl which is substituted by G, C<sub>2</sub>-C<sub>20</sub>heteroaryl, C<sub>2</sub>-C<sub>20</sub>heteroaryl which is substituted by G, C<sub>2</sub>-C<sub>18</sub>alkenyl, C<sub>2</sub>-C<sub>18</sub>alkynyl, C<sub>1</sub>-C<sub>18</sub>alkoxy, C<sub>1</sub>-C<sub>18</sub>alkoxy which is substituted by E and/or interrupted by D, or C<sub>7</sub>-C<sub>25</sub>aralkyl,

or R<sup>9</sup> and R<sup>10</sup> together form a group of formula =CR<sup>100</sup>R<sup>101</sup>, wherein

R<sup>100</sup> and R<sup>101</sup> are independently of each other H, C<sub>1</sub>-C<sub>18</sub>alkyl, C<sub>1</sub>-C<sub>18</sub>alkyl which is substituted by E and/or interrupted by D, C<sub>6</sub>-C<sub>24</sub>aryl, C<sub>6</sub>-C<sub>24</sub>aryl which is substituted by G, or C<sub>2</sub>-C<sub>20</sub>heteroaryl, or C<sub>2</sub>-C<sub>20</sub>heteroaryl which is substituted by G,

or R<sup>9</sup> and R<sup>10</sup> together form a five or six membered ring, which optionally can be substituted by C<sub>1</sub>-C<sub>18</sub>alkyl, C<sub>1</sub>-C<sub>18</sub>alkyl which is substituted by E and/or interrupted by D, C<sub>6</sub>-C<sub>24</sub>aryl, C<sub>6</sub>-C<sub>24</sub>aryl which is substituted by G, C<sub>2</sub>-C<sub>20</sub>heteroaryl, C<sub>2</sub>-C<sub>20</sub>heteroaryl which is substituted by G, C<sub>2</sub>-C<sub>18</sub>alkenyl, C<sub>2</sub>-C<sub>18</sub>alkynyl, C<sub>1</sub>-C<sub>18</sub>alkoxy, C<sub>1</sub>-C<sub>18</sub>alkoxy which is substituted by E and/or interrupted by D, C<sub>7</sub>-C<sub>25</sub>aralkyl, or -C(=O)-R<sup>17</sup>, and

R<sup>16</sup> and R<sup>17</sup> are independently of each other H; C<sub>6</sub>-C<sub>18</sub>aryl; C<sub>6</sub>-C<sub>18</sub>aryl which is substituted by C<sub>1</sub>-C<sub>18</sub>alkyl, or C<sub>1</sub>-C<sub>18</sub>alkoxy; C<sub>1</sub>-C<sub>18</sub>alkyl; or C<sub>1</sub>-C<sub>18</sub>alkyl which is interrupted by -O-,

D is -CO-, -COO-, -S-, -SO-, -SO<sub>2</sub>-, -O-, -NR<sup>65</sup>-, -SiR<sup>70</sup>R<sup>71</sup>-, -POR<sup>72</sup>-, -CR<sup>63</sup>=CR<sup>64</sup>-, or -C≡C-, and E is -OR<sup>69</sup>-, -SR<sup>69</sup>-, -NR<sup>65</sup>R<sup>66</sup>-, -COR<sup>68</sup>-, -COOR<sup>67</sup>-, -CONR<sup>65</sup>R<sup>66</sup>-, -CN, -OCOOR<sup>67</sup>-, or halogen,

G is E, C<sub>1</sub>-C<sub>18</sub>alkyl,

R<sup>63</sup>, R<sup>64</sup>, R<sup>65</sup> and R<sup>66</sup> are independently of each other H; C<sub>6</sub>-C<sub>18</sub>aryl; C<sub>6</sub>-C<sub>18</sub>aryl which is substituted by C<sub>1</sub>-C<sub>18</sub>alkyl, C<sub>1</sub>-C<sub>18</sub>alkoxy; C<sub>1</sub>-C<sub>18</sub>alkyl; or C<sub>1</sub>-C<sub>18</sub>alkyl which is interrupted by -O-; or

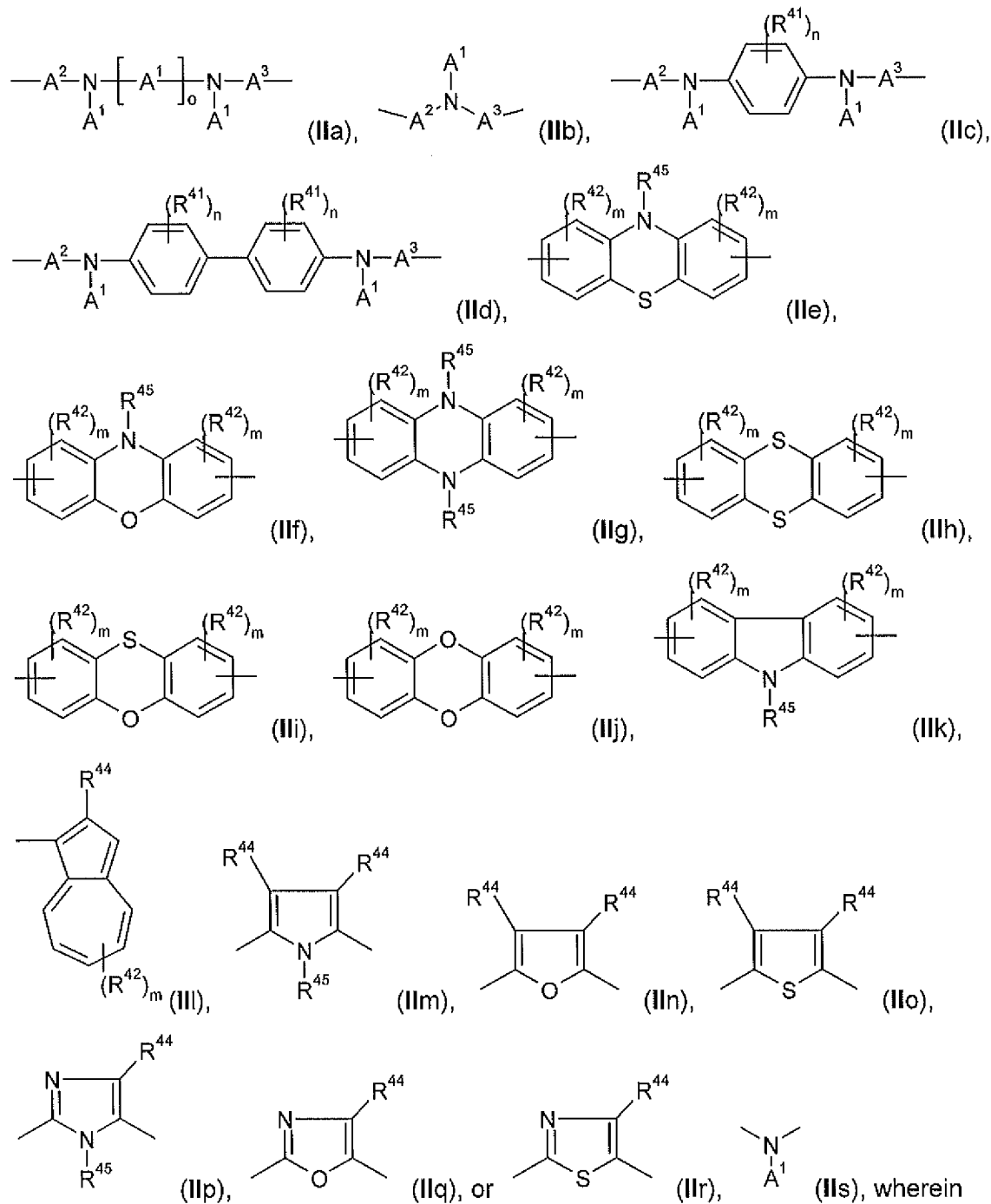
R<sup>65</sup> and R<sup>66</sup> together form a five or six membered ring,

R<sup>67</sup> and R<sup>68</sup> are independently of each other H; C<sub>6</sub>-C<sub>18</sub>aryl; C<sub>6</sub>-C<sub>18</sub>aryl which is substituted by C<sub>1</sub>-C<sub>18</sub>alkyl, or C<sub>1</sub>-C<sub>18</sub>alkoxy; C<sub>1</sub>-C<sub>18</sub>alkyl; or C<sub>1</sub>-C<sub>18</sub>alkyl which is interrupted by -O-,

R<sup>69</sup> is H; C<sub>6</sub>-C<sub>18</sub>aryl; C<sub>6</sub>-C<sub>18</sub>aryl, which is substituted by C<sub>1</sub>-C<sub>18</sub>alkyl, C<sub>1</sub>-C<sub>18</sub>alkoxy; C<sub>1</sub>-C<sub>18</sub>alkyl; or C<sub>1</sub>-C<sub>18</sub>alkyl which is interrupted by -O-,

R<sup>70</sup> and R<sup>71</sup> are independently of each other C<sub>1</sub>-C<sub>18</sub>alkyl, C<sub>6</sub>-C<sub>18</sub>aryl, or C<sub>6</sub>-C<sub>18</sub>aryl, which is substituted by C<sub>1</sub>-C<sub>18</sub>alkyl, and

R<sup>72</sup> is C<sub>1</sub>-C<sub>18</sub>alkyl, C<sub>6</sub>-C<sub>18</sub>aryl, or C<sub>6</sub>-C<sub>18</sub>aryl, which is substituted by C<sub>1</sub>-C<sub>18</sub>alkyl;



R<sup>41</sup> can be the same or different at each occurrence and is Cl, F, CN, N(R<sup>45</sup>)<sub>2</sub>, a C<sub>1</sub>-C<sub>25</sub>alkyl group, a C<sub>4</sub>-C<sub>18</sub>cycloalkyl group, a C<sub>1</sub>-C<sub>25</sub>alkoxy group, in which one or more carbon atoms which are not in neighbourhood to each other could be replaced by -NR<sup>45</sup>-, -O-, -S-, -C(=O)-O-, or -O-C(=O)-O-, and/or wherein one or more hydrogen atoms can be replaced by F, a C<sub>6</sub>-C<sub>24</sub>aryl group, or a C<sub>6</sub>-C<sub>24</sub>aryloxy group, wherein one or more carbon atoms can be replaced by O, S, or N, and/or which can be substituted by one or more non-aromatic groups R<sup>41</sup>, or two or more groups R<sup>41</sup> form a ring system;

R<sup>42</sup> can be the same or different at each occurrence and is CN, a C<sub>1</sub>-C<sub>25</sub>alkyl group, a C<sub>4</sub>-C<sub>18</sub>cycloalkyl group, a C<sub>1</sub>-C<sub>25</sub>alkoxy group, in which one or more carbon atoms which are not in neighbourhood to each other could be replaced by -NR<sup>45</sup>-, -O-, -S-, -C(=O)-O-, or -O-C(=O)-O-, and/or wherein one or more hydrogen atoms can be replaced by F, a C<sub>6</sub>-C<sub>24</sub>aryl group, or a C<sub>6</sub>-C<sub>24</sub>aryloxy group, wherein one or more carbon atoms can be replaced by O, S, or N, and/or which can be substituted by one or more non-aromatic groups R<sup>41</sup>, or two or more groups R<sup>41</sup> form a ring system;

R<sup>44</sup> can be the same or different at each occurrence and are a hydrogen atom, a C<sub>1</sub>-C<sub>25</sub>alkyl group, a C<sub>4</sub>-C<sub>18</sub>cycloalkyl group, a C<sub>1</sub>-C<sub>25</sub>alkoxy group, in which one or more carbon atoms which are not in neighbourhood to each other could be replaced by -NR<sup>45</sup>-, -O-, -S-, -C(=O)-O-, or -O-C(=O)-O-, and/or wherein one or more hydrogen atoms can be replaced by F, a C<sub>6</sub>-C<sub>24</sub>aryl group, or a C<sub>6</sub>-C<sub>24</sub>aryloxy group, wherein one or more carbon atoms can be replaced by O, S, or N, and/or which can be substituted by one or more non-aromatic groups R<sup>41</sup>, or CN, or two or more groups R<sup>44</sup>, which are in neighbourhood to each other, form a ring;

R<sup>45</sup> is H, a C<sub>1</sub>-C<sub>25</sub>alkyl group, a C<sub>4</sub>-C<sub>18</sub>cycloalkyl group, a C<sub>1</sub>-C<sub>25</sub>alkoxy group, in which one or more carbon atoms which are not in neighbourhood to each other could be replaced by -NR<sup>45</sup>-, -O-, -S-, -C(=O)-O-, or -O-C(=O)-O-, and/or wherein one or more hydrogen atoms can be replaced by F, a C<sub>6</sub>-C<sub>24</sub>aryl group, or a C<sub>6</sub>-C<sub>24</sub>aryloxy group, wherein one or more carbon atoms can be replaced by O, S, or N, and/or which can be substituted by one or more non-aromatic groups R<sup>41</sup>;

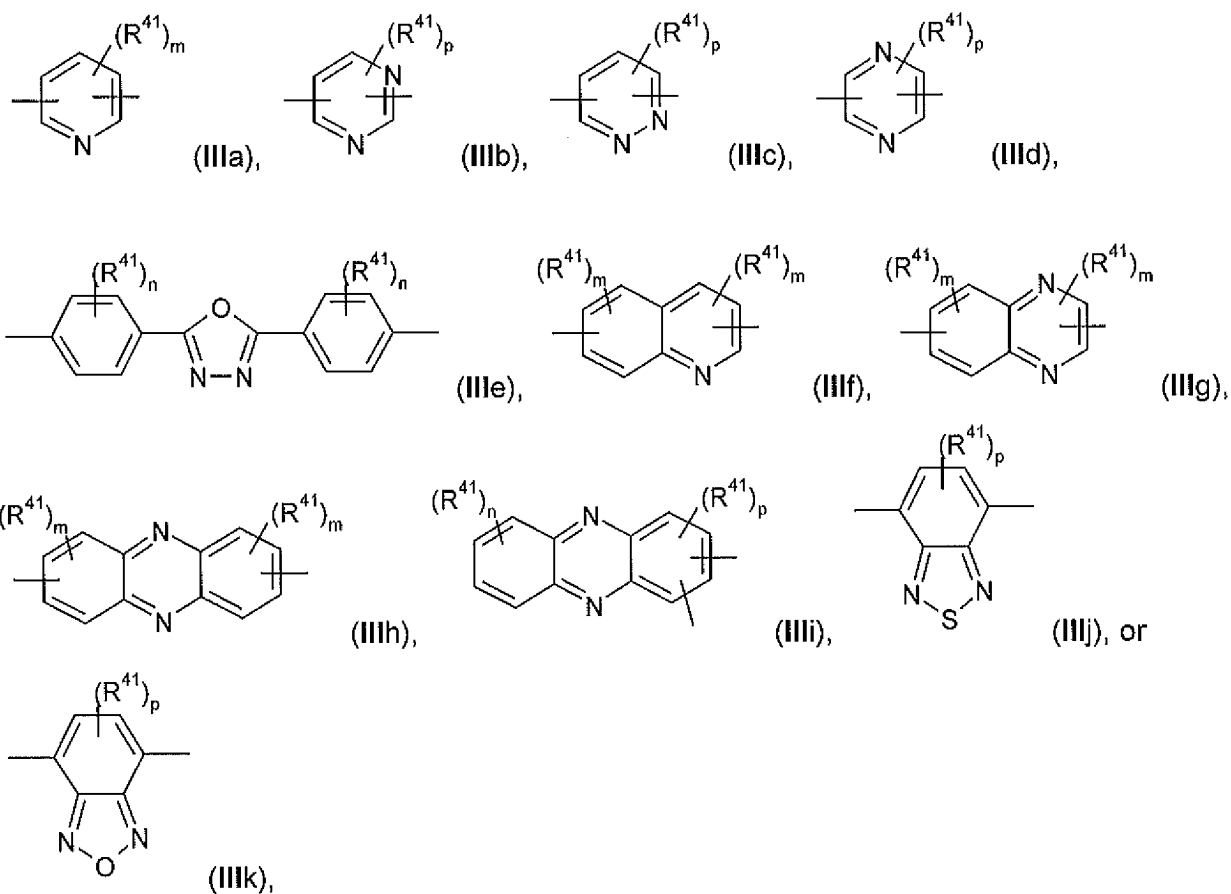
m can be the same or different at each occurrence and is 0, 1, 2, or 3,

n can be the same or different at each occurrence and is 0, 1, 2, or 3

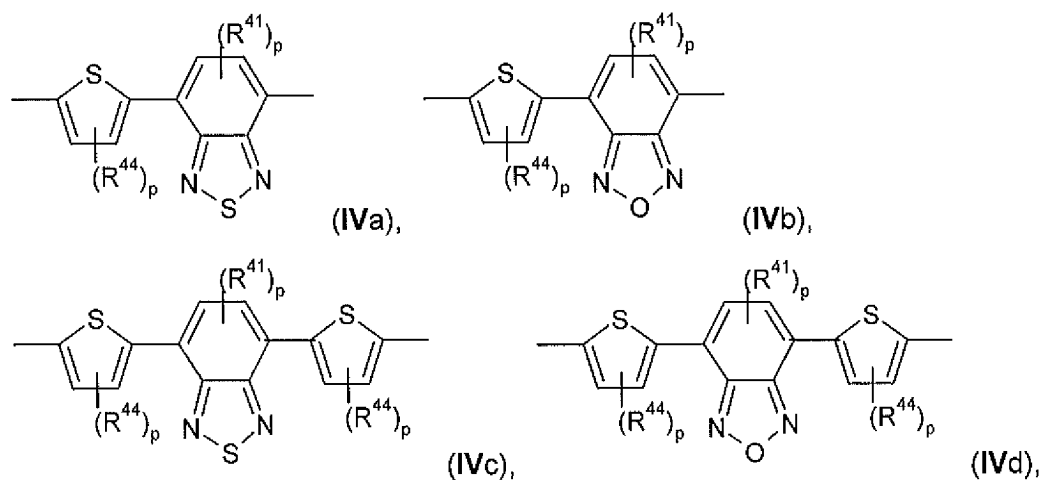
o is 1, 2, or 3,

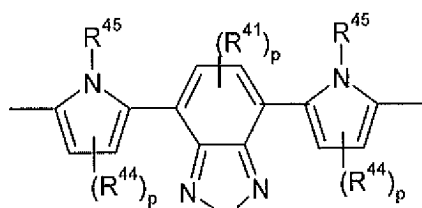




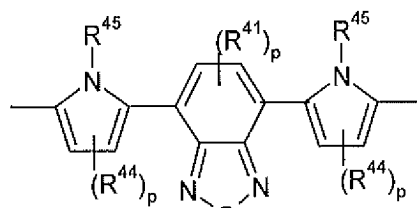


wherein  $R^{41}$  and m and n are as defined above and p is 0, 1, or 2 ;

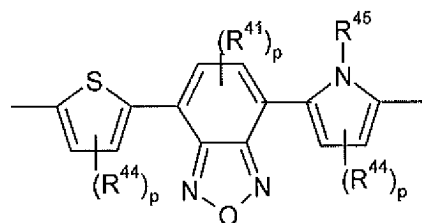




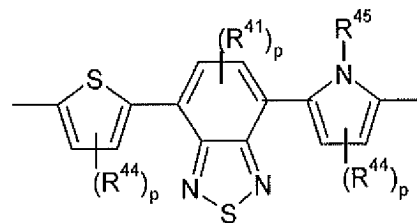
(IVe),



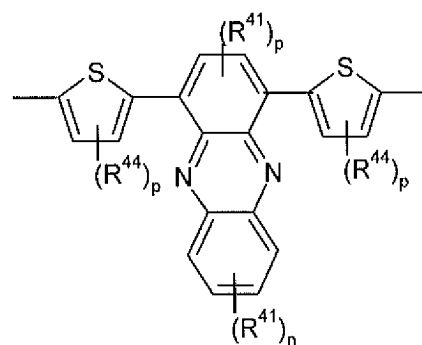
(IVf),



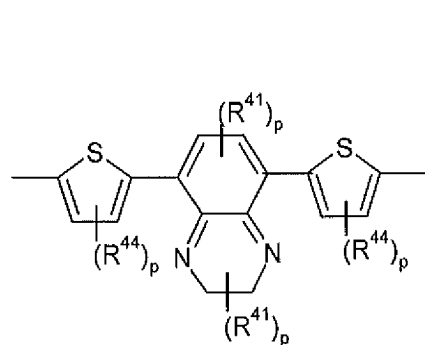
(IVg),



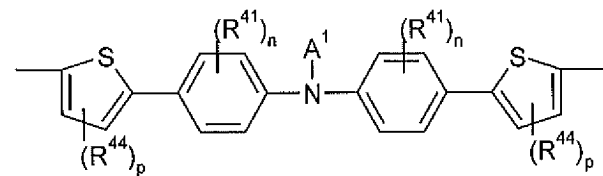
(IVh),



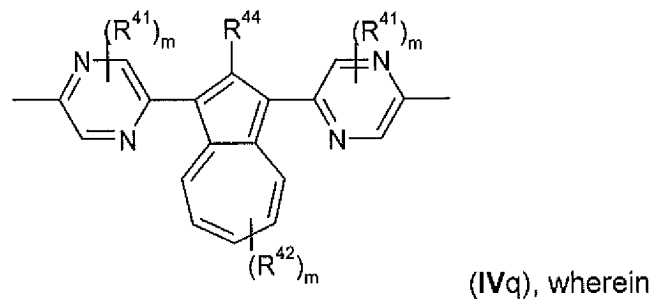
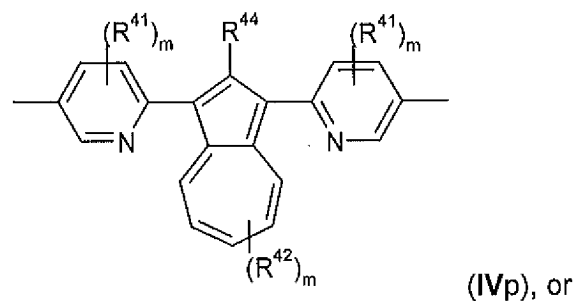
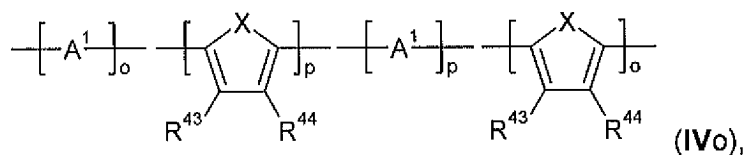
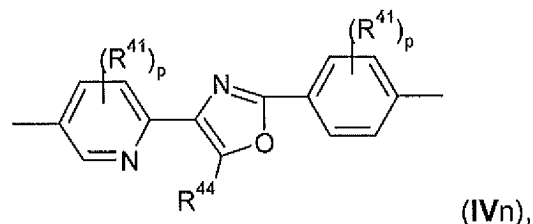
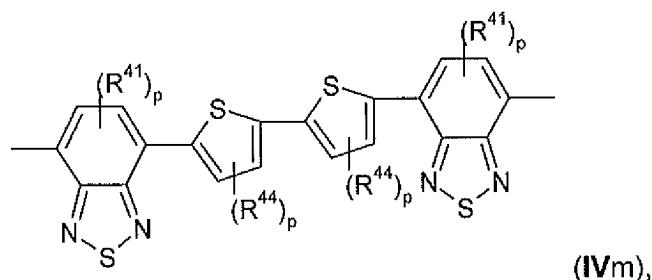
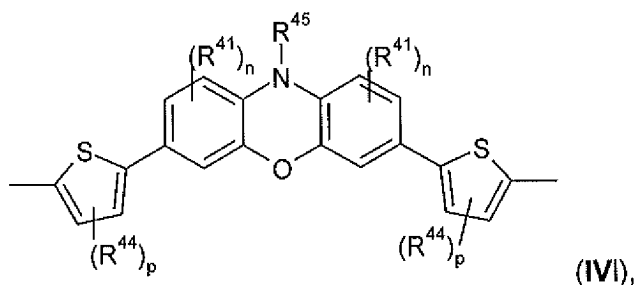
(IVi),



(IVj),



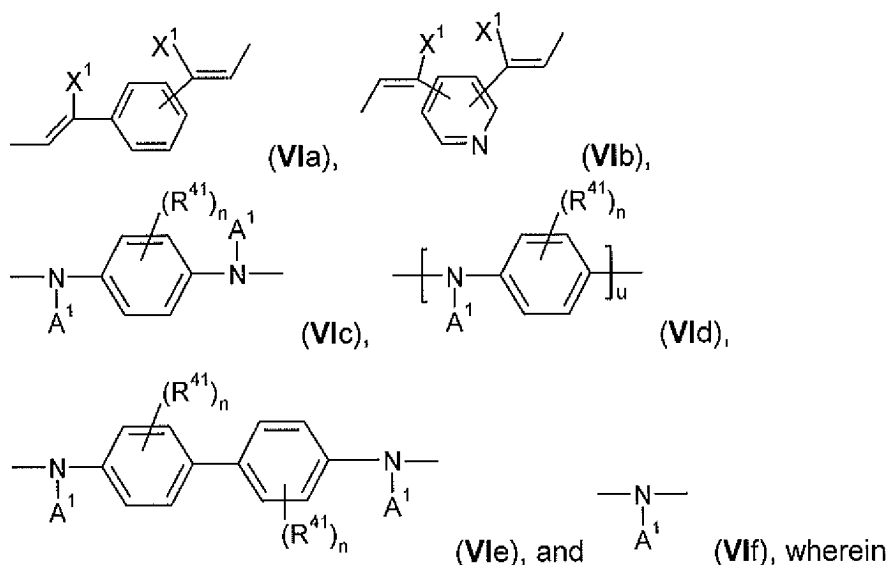
(IVk),



X is O, S, or  $\text{NR}^{45}$ ,

$\text{R}^{43}$  is a hydrogen atom, a  $\text{C}_1\text{-C}_{25}$ alkyl group, a  $\text{C}_4\text{-C}_{18}$ cycloalkyl group, a  $\text{C}_1\text{-C}_{25}$ alkoxy group, in which one or more carbon atoms which are not in neighbourhood to each other could be replaced by  $-\text{NR}^{45}$ ,  $-\text{O}-$ ,  $-\text{S}-$ ,  $-\text{C}(=\text{O})-\text{O}-$ , or,  $-\text{O}-\text{C}(=\text{O})-\text{O}-$ , and/or wherein one or more hydrogen atoms can be replaced by F, a  $\text{C}_6\text{-C}_{24}$ aryl group, or a  $\text{C}_6\text{-C}_{24}$ aryloxy group, wherein one or more carbon atoms can be replaced by O, S, or N, and/or which can be substituted by one or more non-aromatic groups  $\text{R}^{41}$ , or CN, or two or more groups  $\text{R}^{43}$  and/or  $\text{R}^{44}$ , which are in neighbourhood to each other, form a ring; and  $\text{A}^1$ ,  $\text{R}^{41}$ ,  $\text{R}^{42}$ ,  $\text{R}^{44}$ ,  $\text{R}^{45}$ , m, n, o and p are as defined above;

and which repeating unit(s)  $-\text{T}-$  is selected from the group consisting of



$X^1$  is a hydrogen atom, or a cyano group,

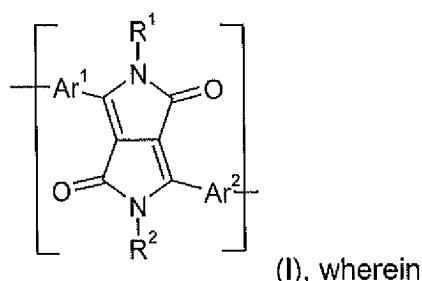
$R^{41}$  can be the same or different at each occurrence and is Cl, F, CN,  $N(R^{45})_2$ , a  $C_1$ - $C_{25}$ alkyl group, a  $C_4$ - $C_{18}$ cycloalkyl group, a  $C_1$ - $C_{26}$ alkoxy group, in which one or more carbon atoms which are not in neighbourhood to each other could be replaced by  $-NR^{45}$ -,  $-O$ -,  $-S$ -,  $-C(=O)-O$ -, or  $-O-C(=O)-O$ -, and/or wherein one or more hydrogen atoms can be replaced by F, a  $C_6$ - $C_{24}$ aryl group, or a  $C_6$ - $C_{24}$ aryloxy group, wherein one or more carbon atoms can be replaced by O, S, or N, and/or which can be substituted by one or more non-aromatic groups  $R^{41}$ , or two or more groups  $R^{41}$  form a ring system;

$n$  can be the same or different at each occurrence and is 0, 1, 2, or 3 and  $u$  is 1, 2, 3, or 4;

$A^1$  is a  $C_6$ - $C_{24}$ aryl group, a  $C_2$ - $C_{30}$ heteroaryl group, which can be substituted by one or more non-aromatic groups  $R^{41}$ .

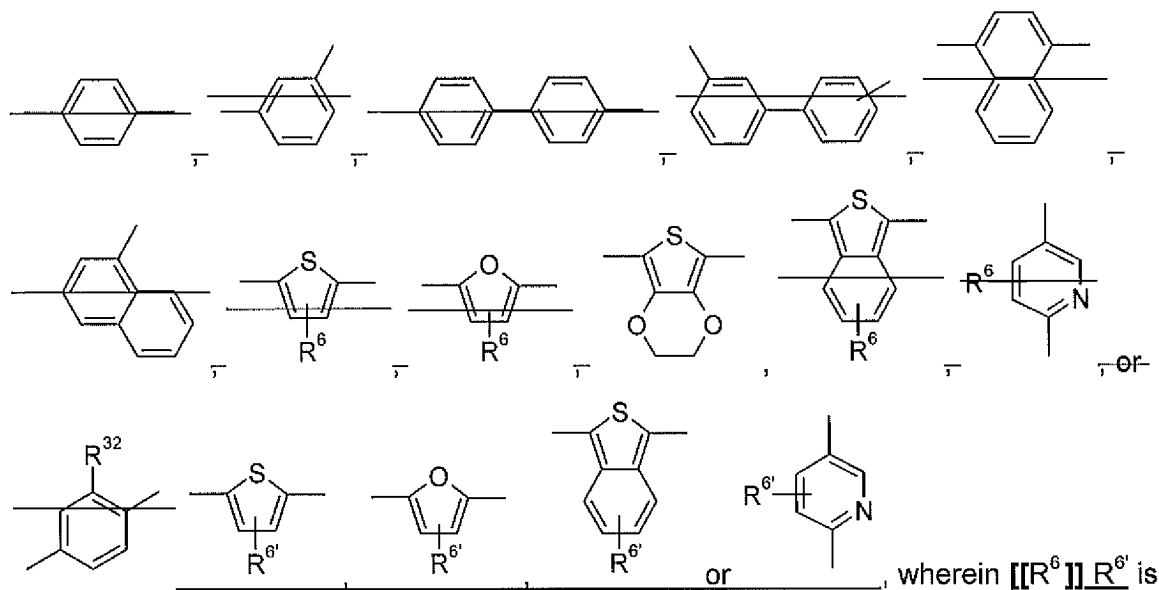
5. (cancelled)

6. (currently amended) The polymer according to claim 2, wherein the polymer is homopolymer comprising a repeating unit of formula



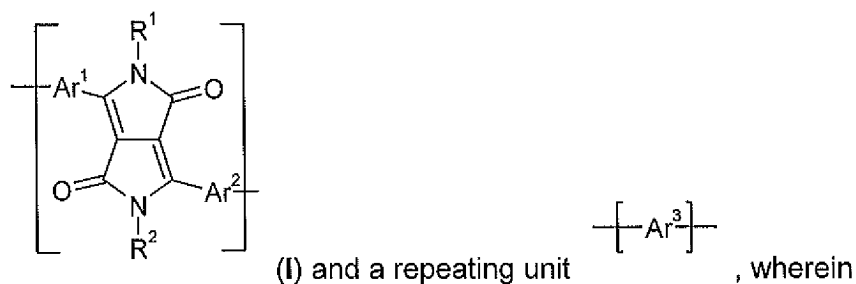
$R^1$  and  $R^2$  are independently of each other a  $C_1$ - $C_{25}$ alkyl group, which can be interrupted by one or more oxygen atoms, and

$Ar^1$  and  $Ar^2$  are independently of each other a group of formula

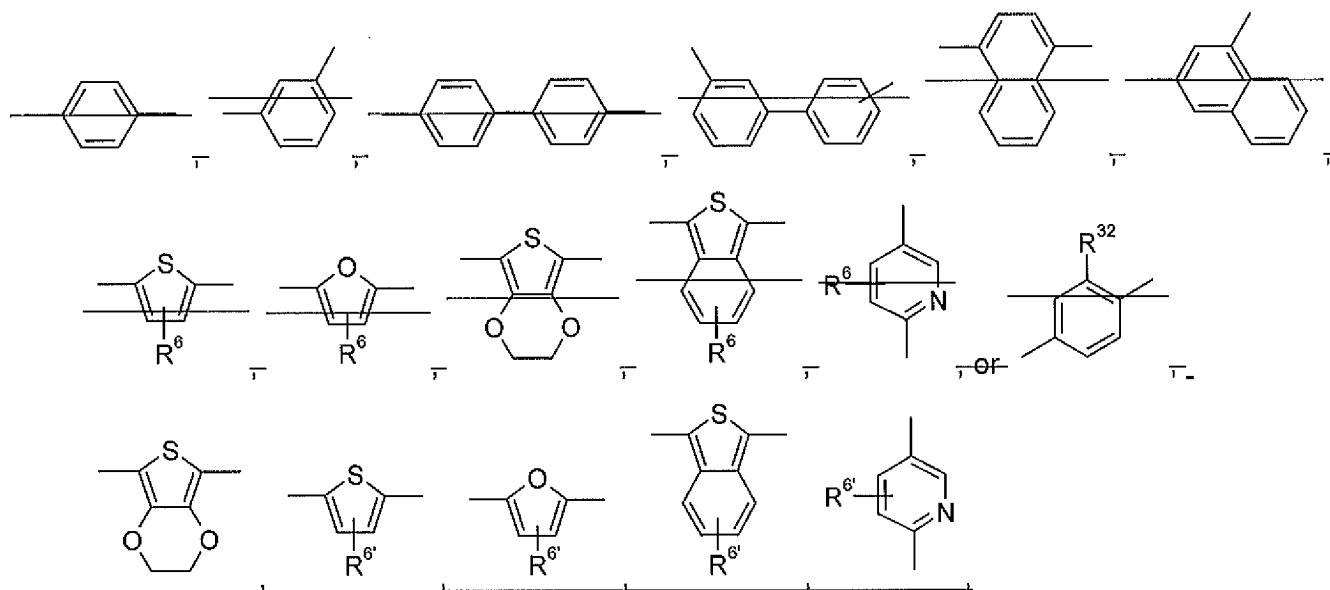


wherein  $[R^6]$   $R^{6'}$  is hydrogen,  $C_1$ - $C_{18}$ alkyl, or  $C_1$ - $C_{18}$ alkoxy, and  $R^{32}$  is methyl, Cl, or OMe.

7. (currently amended) The polymer according to claim **[2]** 4, wherein the polymer comprises a repeating unit of formula

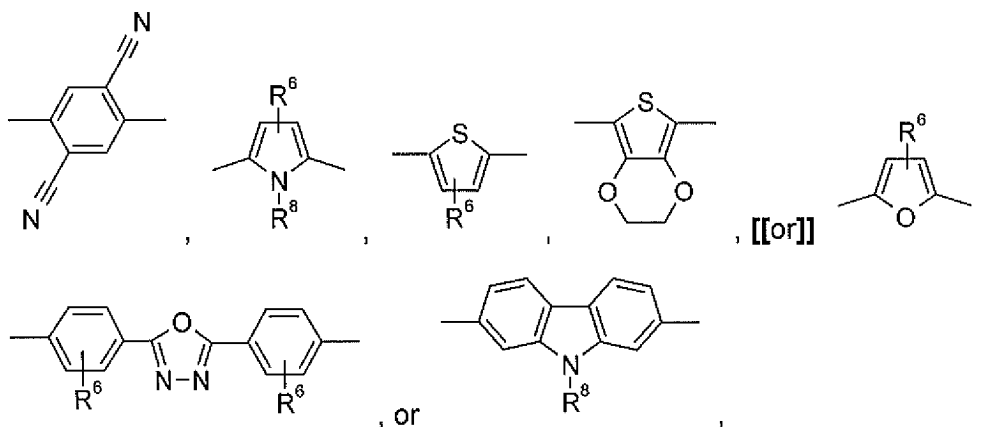


$R^1$  and  $R^2$  are independently of each other a  $C_1$ - $C_{25}$ alkyl group, which can be interrupted by one or more oxygen atoms, and  $Ar^1$  and  $Ar^2$  are independently of each other a group of formula



wherein  $R^6$  is hydrogen,  $C_1$ - $C_{18}$ alkyl, or  $C_1$ - $C_{18}$ alkoxy and

wherein  $-Ar^3-$  is a group of formula



wherein

$R^6$  is hydrogen,  $C_1$ - $C_{18}$ alkyl, or  $C_1$ - $C_{18}$ alkoxy, and  $R^{32}$  is methyl, Cl, or OMe, and

$R^8$  is H,  $C_1$ - $C_{18}$ alkyl, or  $C_1$ - $C_{18}$ alkyl which is substituted by E and/or interrupted by D, especially  $C_1$ - $C_{18}$ alkyl which is interrupted by  $-O-$ ,

wherein

D is  $-CO-$ ,  $-COO-$ ,  $-S-$ ,  $-SO-$ ,  $-SO_2-$ ,  $-O-$ ,  $-NR^{65}-$ ,  $-SiR^{70}R^{71}-$ ,  $-POR^{72}-$ ,  $-CR^{63}=CR^{64}-$ , or  $-C\equiv C-$ , and

E is  $-OR^{69}$ ,  $-SR^{69}$ ,  $-NR^{65}R^{66}$ ,  $-COR^{68}$ ,  $-COOR^{67}$ ,  $-CONR^{65}R^{66}$ ,  $-CN$ ,  $-OCOOR^{67}$ , or halogen,

$R^{63}$ ,  $R^{64}$ ,  $R^{65}$  and  $R^{66}$  are independently of each other H;  $C_6$ - $C_{18}$ aryl;  $C_6$ - $C_{18}$ aryl which is substituted by  $C_1$ - $C_{18}$ alkyl,  $C_1$ - $C_{18}$ alkoxy;  $C_1$ - $C_{18}$ alkyl; or  $C_1$ - $C_{18}$ alkyl which is interrupted by  $-O-$ ;  
or

$R^{65}$  and  $R^{66}$  together form a five or six membered ring,

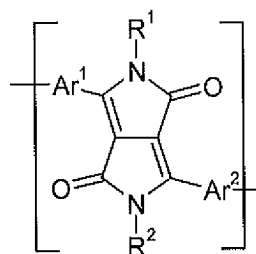
$R^{67}$  and  $R^{68}$  are independently of each other H;  $C_6$ - $C_{18}$ aryl;  $C_6$ - $C_{18}$ aryl which is substituted by  $C_1$ - $C_{18}$ alkyl, or  $C_1$ - $C_{18}$ alkoxy;  $C_1$ - $C_{18}$ alkyl; or  $C_1$ - $C_{18}$ alkyl which is interrupted by  $-O-$ ,

$R^{69}$  is H;  $C_6$ - $C_{18}$ aryl;  $C_6$ - $C_{18}$ aryl, which is substituted by  $C_1$ - $C_{18}$ alkyl,  $C_1$ - $C_{18}$ alkoxy;  $C_1$ - $C_{18}$ alkyl; or  $C_1$ - $C_{18}$ alkyl which is interrupted by  $-O-$ ,

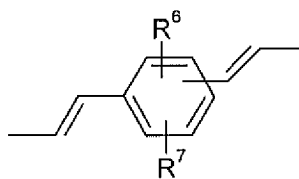
$R^{70}$  and  $R^{71}$  are independently of each other  $C_1$ - $C_{18}$ alkyl,  $C_6$ - $C_{18}$ aryl, or  $C_6$ - $C_{18}$ aryl, which is substituted by  $C_1$ - $C_{18}$ alkyl, and

$R^{72}$  is  $C_1$ - $C_{18}$ alkyl,  $C_6$ - $C_{18}$ aryl, or  $C_6$ - $C_{18}$ aryl, which is substituted by  $C_1$ - $C_{18}$ alkyl.

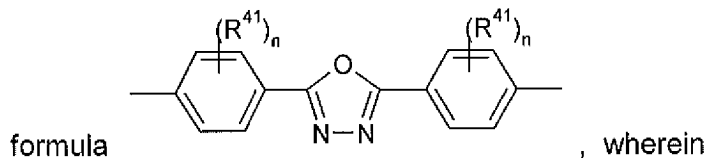
8. (previously presented) A terpolymer comprising a repeating unit of formula



(I), a repeating unit of formula



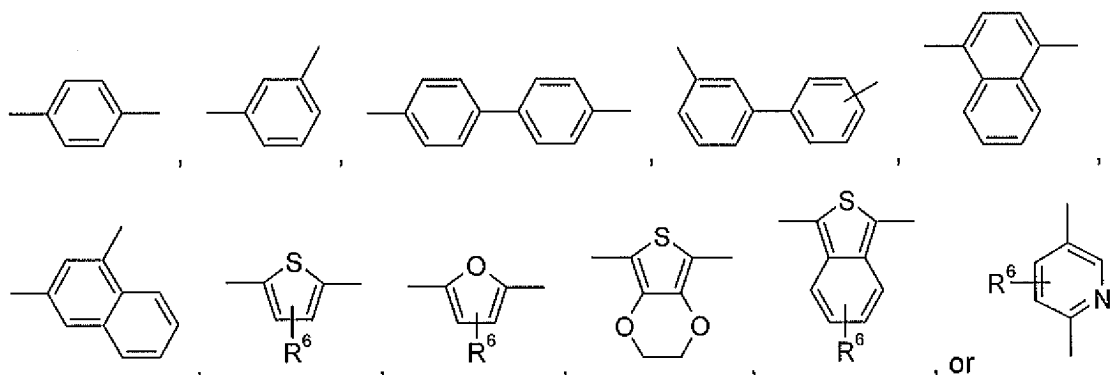
, and a repeating unit of



formula

, wherein

$R^1$  and  $R^2$  are independently of each other a  $C_1$ - $C_{25}$ alkyl group, which can be interrupted by one or more oxygen atoms, and  $Ar^1$  and  $Ar^2$  are independently of each other a group of formula



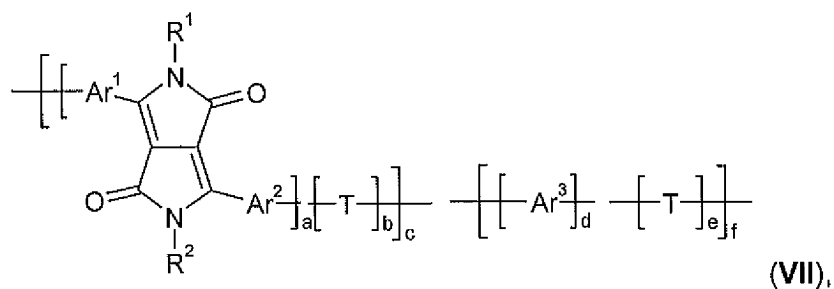
$R^6$  and  $R^7$  are independently of each other H, halogen, CN,  $C_1$ - $C_{12}$ alkyl,  $C_1$ - $C_{12}$ alkoxy, or  $C_6$ - $C_{14}$ aryl,

$R^{41}$  is Cl, F, CN,  $N(R^{45})_2$ ,  $C_1$ - $C_{18}$ alkyl,  $C_1$ - $C_{18}$ alkoxy, or  $C_6$ - $C_{14}$ aryl, wherein

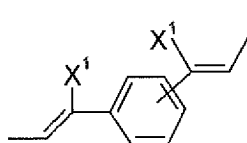
$R^{45}$  is H, a  $C_1$ - $C_{25}$ alkyl group, or a  $C_1$ - $C_{25}$ alkoxy group, and

$n$  is 0, 1, or 2.

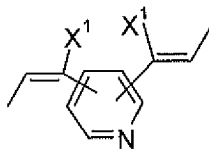
9. (**currently amended**) The polymer according to claim **[[2]]** 4, wherein the polymer is a polymer of formula



T is selected from the group consisting of

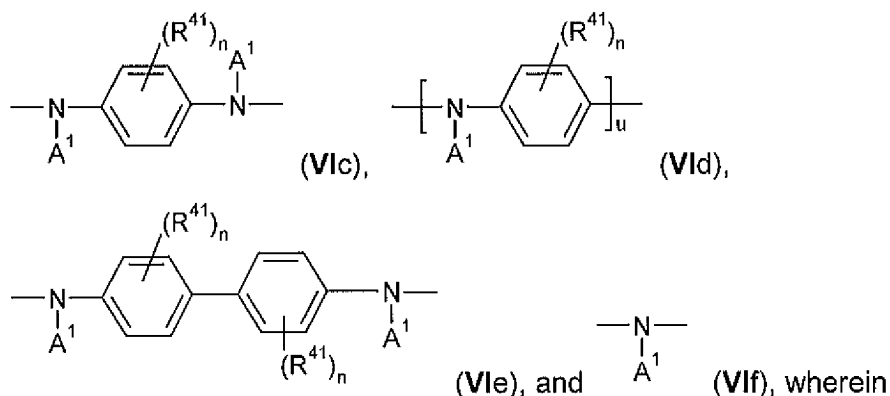


(VIa),



(VIb),





$X^1$  is a hydrogen atom, or a cyano group,

$R^{41}$  can be the same or different at each occurrence and is Cl, F, CN,  $N(R^{45})_2$ , a  $C_1$ - $C_{25}$ alkyl group, a  $C_4$ - $C_{18}$ cycloalkyl group, a  $C_1$ - $C_{25}$ alkoxy group, in which one or more carbon atoms which are not in neighbourhood to each other could be replaced by  $-NR^{45}-$ ,  $-O-$ ,  $-S-$ ,  $-C(=O)-O-$ , or  $-O-C(=O)-O-$ , and/or wherein one or more hydrogen atoms can be replaced by F, a  $C_6$ - $C_{24}$ aryl group, or a  $C_6$ - $C_{24}$ aryloxy group, wherein one or more carbon atoms can be replaced by O, S, or N, and/or which can be substituted by one or more non-aromatic groups  $R^{41}$ , or two or more groups  $R^{41}$  form a ring system;

n can be the same or different at each occurrence and is 0, 1, 2, or 3 and u is 1, 2, 3, or 4;

$A^1$  is a  $C_6$ - $C_{24}$ aryl group, a  $C_2$ - $C_{30}$ heteroaryl group, which can be substituted by one or more non-aromatic groups  $R^{41}$ ,

a is 1,

b is 0, or 1,

c is 0.005 to 1,

d is 0, or 1,

e is 0, or 1, wherein e is not 1, if d is 0,

f is 0.995 to 0, wherein the sum of c and f is 1.

10. **(previously presented)** An electronic device or a component therefore, comprising the polymer comprising a repeating unit of the formula I according to claim 2.

11. **(original)** An electronic device according to claim 10, wherein the device comprises an electroluminescent device.

12. **(previously presented)** An electronic device according to claim 11, wherein the electroluminescent device comprises

- (a) a charge injecting layer for injecting positive charge carriers,
- (b) a charge injecting layer for injecting negative charge carriers,
- (c) a light-emissive layer located between the layers (a) and (b) comprising the polymer comprising a repeating unit of the formula I.

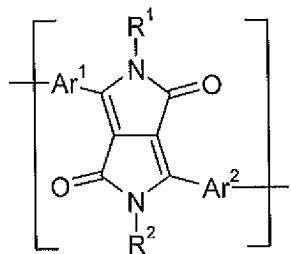
13. **(cancelled)**

14. **(previously presented)** PLEDs, organic integrated circuits (O-ICs), organic field effect transistors (OFETs), organic thin film transistors (OTFTs), organic solar cells (O-SCs), or organic laser diodes comprising one or more of the polymers according to claim 2.

15-18. **(cancelled)**

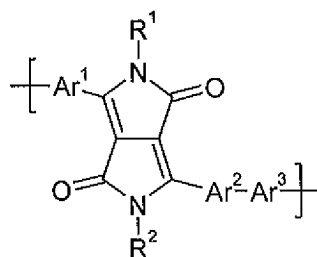
19. **(previously presented)** An electronic device or a component therefore comprising the polymer according to claim 8.

20. **(previously presented)** The polymer according to claim 4, wherein the polymer comprises a repeating unit of formula

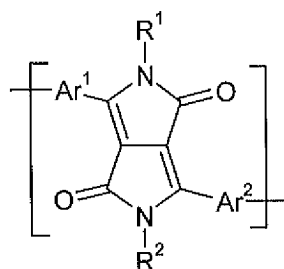


and a repeating unit -T-.

21. **(currently amended)** The polymer according to claim **[[4]]** 9, wherein the polymer is a homopolymer comprising a repeating unit of formula

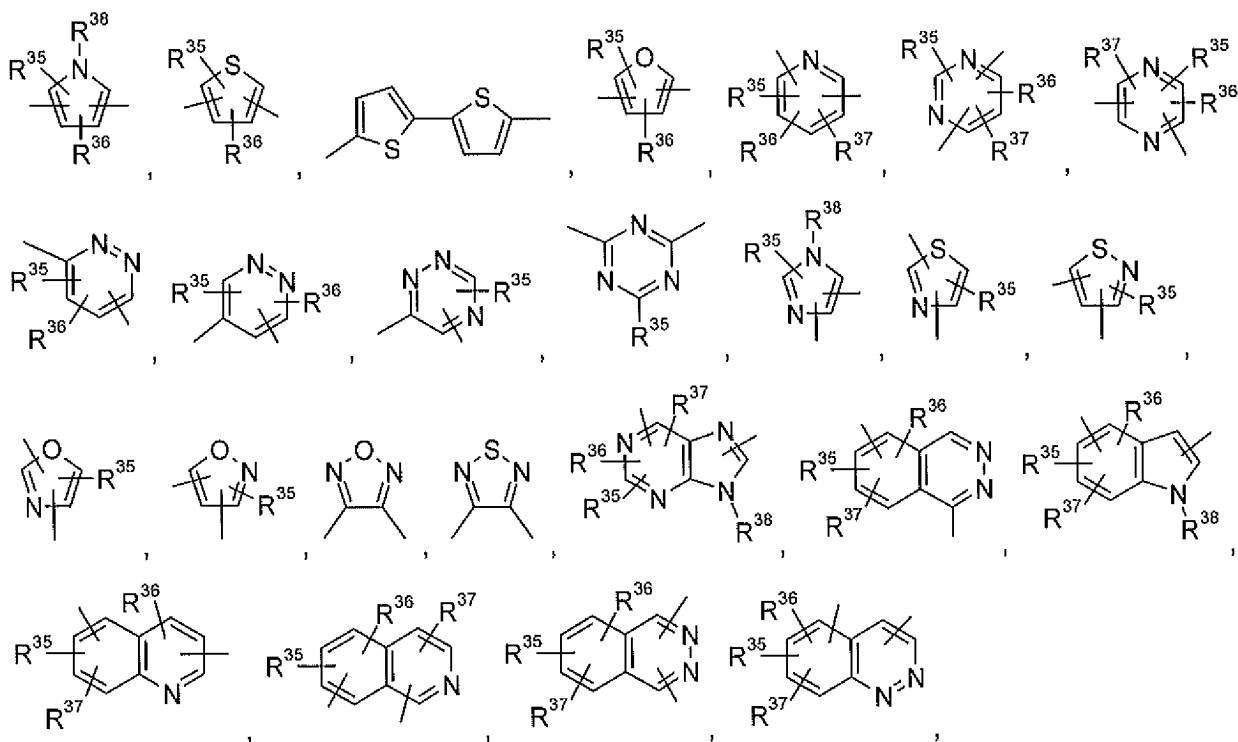


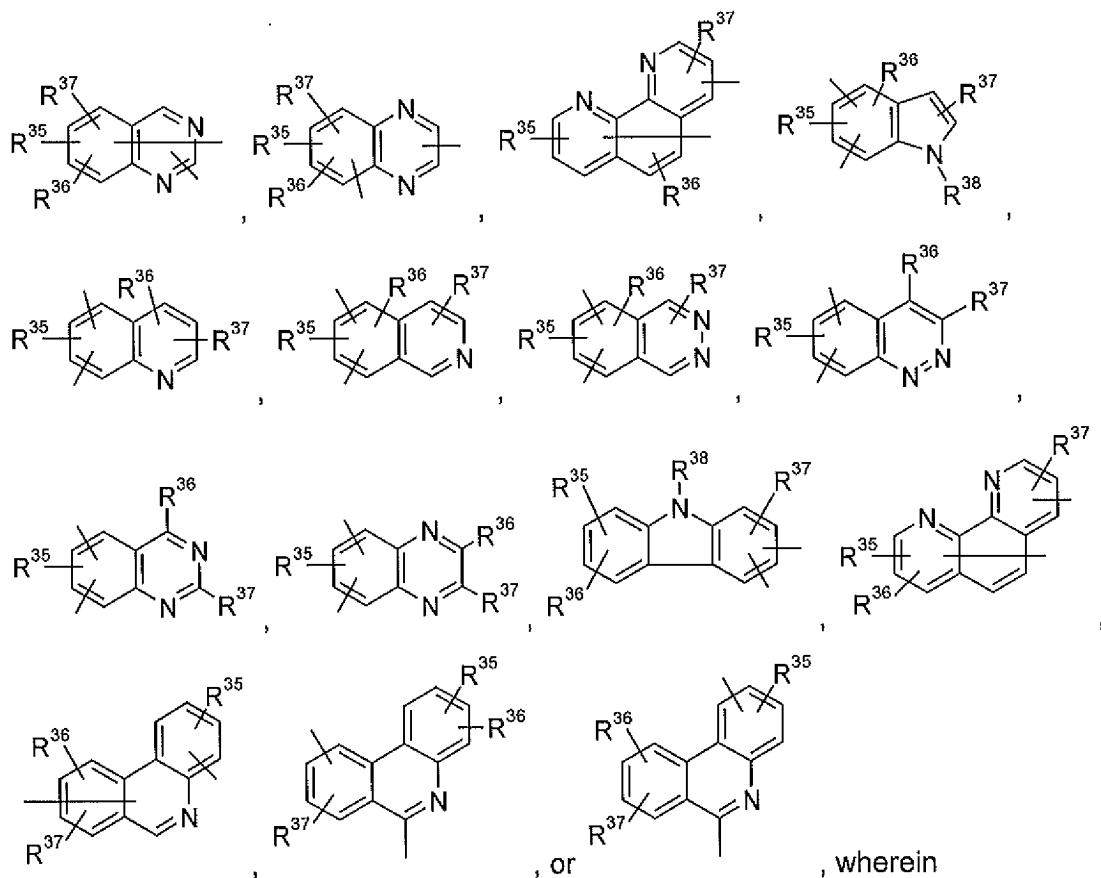
22. **(currently amended)** A polymer comprising a repeating unit of the formula



(I), wherein

Ar¹ and Ar² are independently of each other





$R^{35}$ ,  $R^{36}$ , and  $R^{37}$  may be the same or different and are selected from a hydrogen atom, a  $C_1$ - $C_{25}$ alkyl group which may optionally be interrupted by one or more oxygen atoms, a cycloalkyl group, an aralkyl group, an alkenyl group, a cycloalkenyl group, an alkynyl group, a hydroxyl group, a mercapto group, an alkoxy group, an alkylthio group, an aryl ether group, an aryl thioether group, an aryl group, a heterocyclic group, a halogen atom, a haloalkyl group, a haloalkenyl group, a haloalkynyl group, a cyano group, an aldehyde group, a carboxyl group, an ester group, a carbamoyl group, an amino group, a nitro group, a silyl group, a siloxanyl group, a substituted or unsubstituted vinyl group, an alkylamino group, a dialkylamino group, an alkylaryl amino group, an arylamino group and a diarylamino group, or at least two adjacent substituents  $R^5$  to  $R^7$  form an aromatic or aliphatic fused ring system,  $R^{38}$  is a hydrogen atom, a  $C_1$ - $C_{25}$ alkyl group, a cycloalkyl group, an aralkyl group, an aryl group, or a heterocyclic group,

$R^1$  and  $R^2$  are independently of each other a  $C_1$ - $C_{25}$ alkyl group which can optionally be interrupted by one or more oxygen atoms, an allyl group which can optionally be substituted one to three times with  $C_1$ - $C_4$ alkyl, a cycloalkyl group which can be optionally substituted one to three times with  $C_1$ - $C_8$ alkyl or  $C_1$ - $C_8$ alkoxy, a cycloalkyl group which can optionally be condensed one

or two times by phenyl which phenyl can optionally be substituted one to three times with C<sub>1</sub>-C<sub>4</sub>-alkyl, halogen, nitro or cyano, an alkenyl group, a cycloalkenyl group, an alkynyl group; a C<sub>1</sub>-C<sub>25</sub>alkyl group, an alkenyl group or an alkynyl group substituted partially or wholly by halogen, an aldehyde group, an ester group, a carbamoyl group, a ketone group, a silyl group, a siloxanyl group, ~~Ar<sup>3</sup> or a group -CR<sup>3</sup>R<sup>4</sup>-(CH<sub>2</sub>)<sub>g</sub>-Ar<sup>3</sup>~~ aryl, heteroaryl, a group -CR<sup>3</sup>R<sup>4</sup>-(CH<sub>2</sub>)<sub>g</sub>- aryl or a group -CR<sup>3</sup>R<sup>4</sup>-(CH<sub>2</sub>)<sub>g</sub>- heteroaryl ,

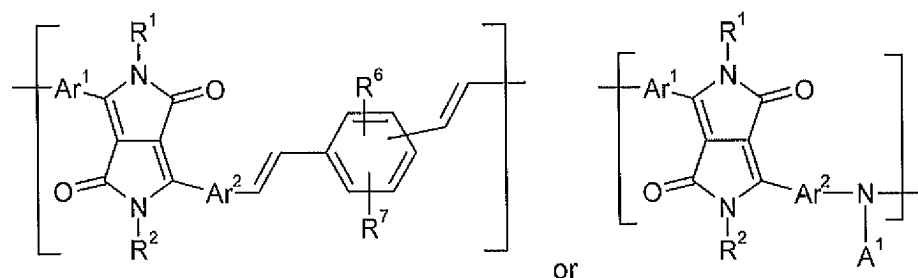
wherein R<sup>3</sup> and R<sup>4</sup> independently from each other stand for hydrogen, fluorine, cyano or C<sub>1</sub>-C<sub>4</sub>alkyl which can be substituted by fluorine, chlorine or bromine, or phenyl which can be substituted one to three times with C<sub>1</sub>-C<sub>4</sub>alkyl,

~~Ar<sup>3</sup> stands for aryl or heteroaryl~~ and g stands for 0, 1, 2, 3 or 4.

23. **(currently amended)** The polymer according to claim **[[1]] 2**, wherein ~~Ar<sup>3</sup> stands for R<sup>1</sup> or R<sup>2</sup> as~~ aryl is phenyl or 1- or 2-naphthyl which phenyl or 1- or 2-naphthyl can be substituted one to three times with C<sub>1</sub>-C<sub>8</sub>alkyl and/or C<sub>1</sub>-C<sub>8</sub>alkoxy, and R<sup>1</sup> or R<sup>2</sup> as a group -CR<sup>3</sup>R<sup>4</sup>-(CH<sub>2</sub>)<sub>g</sub>- aryl is group -CR<sup>3</sup>R<sup>4</sup>-(CH<sub>2</sub>)<sub>g</sub>- phenyl or a group -CR<sup>3</sup>R<sup>4</sup>-(CH<sub>2</sub>)<sub>g</sub>- 1- or 2-naphthyl which phenyl or 1- or 2-naphthyl can be substituted one to three times with C<sub>1</sub>-C<sub>8</sub>alkyl and/or C<sub>1</sub>-C<sub>8</sub>alkoxy.

24. **(previously presented)** An electronic device or a component therefore comprising the polymer according to claim 22.

25. **(new)** The polymer according to claim 9, wherein the polymer comprises a repeating unit of formula



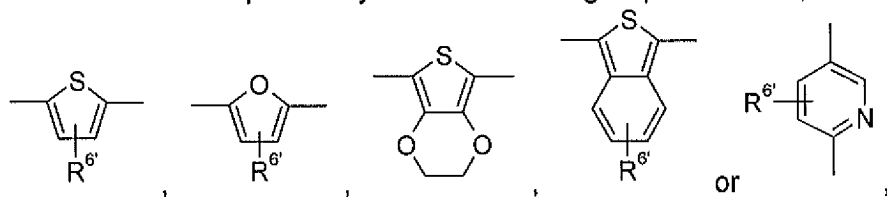
wherein

R<sup>1</sup> and R<sup>2</sup> are independently of each other a C<sub>1</sub>-C<sub>25</sub>alkyl group, which can be interrupted by one or more oxygen atoms,

R<sup>6</sup> and R<sup>7</sup> are H, halogen, CN, C<sub>1</sub>-C<sub>12</sub>alkyl, C<sub>1</sub>-C<sub>12</sub>alkoxy, or C<sub>6</sub>-C<sub>14</sub>aryl,

A<sup>1</sup> is a C<sub>6</sub>-C<sub>24</sub>aryl group, a C<sub>2</sub>-C<sub>30</sub>heteroaryl group, which can be substituted by one or more non-aromatic groups R<sup>41</sup>, or NO<sub>2</sub>, and

Ar<sup>1</sup> and Ar<sup>2</sup> are independently of each other a group of formula,



wherein R<sup>6'</sup> is hydrogen, C<sub>1</sub>-C<sub>18</sub>alkyl, or C<sub>1</sub>-C<sub>18</sub>alkoxy.